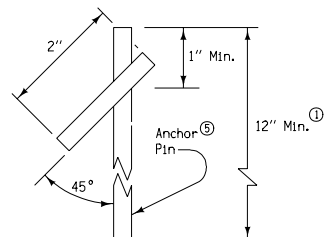
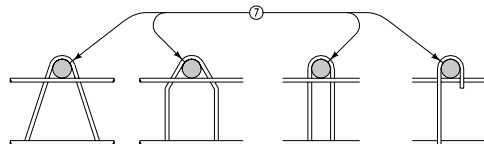


DOWEL HEIGHT AND DIAMETER		
①	⑥	Diameter
7.0"	3.5"	$\frac{3}{4}$ "
7.5"	3.5"	$\frac{3}{4}$ "
8.0"	4.25"	$1\frac{1}{4}$ "
8.5"	4.25"	$1\frac{1}{4}$ "
9.0"	4.25"	$1\frac{1}{4}$ "
9.5"	4.25"	$1\frac{1}{4}$ "
10.0"	5.25"	$1\frac{1}{2}$ "
10.5"	5.25"	$1\frac{1}{2}$ "
11.0"	5.25"	$1\frac{1}{2}$ "
11.5"	6.25"	$1\frac{1}{2}$ "
12.0"	6.25"	$1\frac{1}{2}$ "
12.5"	6.25"	$1\frac{1}{2}$ "
13.0"	6.25"	$1\frac{1}{2}$ "

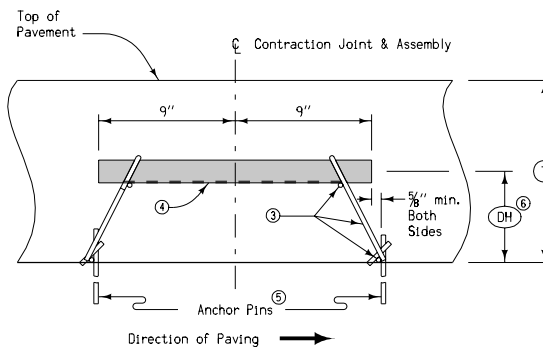
Pavement Width	No. of Dowels
12'	12
14'	14



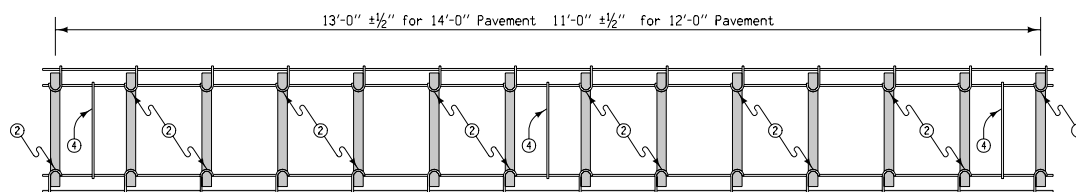
ANCHOR PIN DETAILS



OPTIONAL LEG ASSEMBLIES

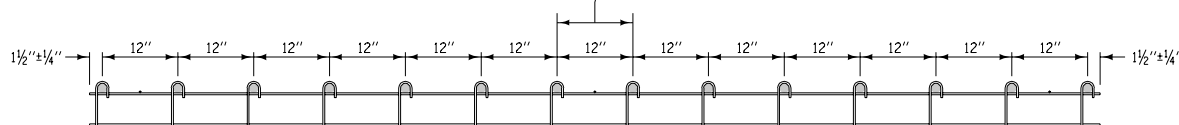


LONGITUDINAL SECTION



PLAN VIEW

Spaces between dowel bars are nominal dimensions with a $\frac{1}{4}$ " allowable tolerance.



ELEVATION

GENERAL NOTES:

Details hereon are for the fabrication of a contraction joint dowel assembly.

Dowel bars shall be 18" long with a tolerance of $\pm 1/8$ ". The centerline of individual dowels shall be parallel to the other dowels in the assembly within $\pm 1/8$ ".

All dowels shall be saw cut on both ends or sheared on both ends if deformation is less than 0.040" out of round.

The dowels shall be round bars and conform to ASTM A663 grade 60 or higher, ASTM A675 grade 60 or higher, or ASTM A615 grade 40 or higher.

Dowels shall be epoxy coated to conform to AASHTO M 254 Type B coating with a thickness of 7 ± 2 mills after cure. The cut ends shall be free from burrs and projections and need not be coated.

The entire assembly, after fabrication, shall be dipped in a bituminous bond breaker or a paraffin based bond breaker prior to delivery to the work site. The bond breaker shall meet the requirements of standard specification 4137, 4138, or 4140. The application method shall be approved by the Office of Materials.

Wire size shown are minimum required, and the wire shall have a minimum tensile strength of 50 KSI.

NOTES:

- ① (8) anchor pins minimum required, 4 per side. Anchor pins shall be a minimum 12" long and shall prevent movement of assembly during construction.
- ② Weld alternately thru-out.
- ③ #1/0 gage (.306) wire
- ④ (3) #10 gage (.135) wire minimum, tie wire welded or friction fit to top longitudinal wire, both sides.
- ⑤ Pins shall be a minimum of #1/0 gage (.306) wire and have minimum length of 12".
- ⑥ Measured from the centerline of dowel bar to bottom of support wire $\pm 1/4$ ".
- ⑦ Diameter of bend around dowel is dowel diameter + 1/8" to 3/16".

STANDARD ROAD PLAN	
RH-55	
REVISION: Clarify Tolerance In Elevation View.	REVISION NO. 3
APPROVED BY: <i>William J. Allen</i> DESIGN/METHODS ENGINEER	REVISION DATE 04-15-03
FABRICATION DETAILS CONTRACTION JOINT DOWEL ASSEMBLY	